

WEST Search History

DATE: Monday, January 30, 2006

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	<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L14	L13 not l7	2
<input type="checkbox"/>	L13	sanger.in. and heinz.in.	4
<input type="checkbox"/>	L12	L11 not l7	0
<input type="checkbox"/>	L11	schiebel.in. and (winfried or winifred).in.	2
<input type="checkbox"/>	L10	L9 not l7	0
<input type="checkbox"/>	L9	riedel.in. and leonhard.in.	2
<input type="checkbox"/>	L8	riedel.in. and leonard.in.	0
<input type="checkbox"/>	L7	wassenegger.in. and michael.in.	2
<input type="checkbox"/>	L6	L5 and ((800/278).ccls. or (435/468).ccls. or (800/294).ccls. or (435/469).ccls.)	1
<input type="checkbox"/>	L5	rdrp and @ad<19970305	23
<input type="checkbox"/>	L4	l2 and (800/278).ccls.	0
<input type="checkbox"/>	L3	l2 and ((800/278).ccls. or (435/468).ccls. or (800/294).ccls. or (435/469).ccls.)	0
<input type="checkbox"/>	L2	L1 and @ad<19970305	85
<input type="checkbox"/>	L1	(rna adj direct\$) near2 (rna adj polymerase)	333

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6040496 A

Using default format because multiple data bases are involved.

L6: Entry 1 of 1

File: USPT

Mar 21, 2000

US-PAT-NO: 6040496

DOCUMENT-IDENTIFIER: US 6040496 A

TITLE: Use of translationally altered RNA to confer resistance to maize dwarf mosaic virus and other monocotyledonous plant viruses

DATE-ISSUED: March 21, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Law; Marcus Dixon	Chapel Hill	NC		
Dietz; Jon M.	Apex	NC		

US-CL-CURRENT: 800/280; 435/468, 536/23.72, 800/301

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMIC	Draw D
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L5 and ((800/278).ccls. or (435/468).ccls. or (800/294).ccls. or (435/469).ccls.)	1

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L6: Entry 1 of 1

File: USPT

Mar 21, 2000

DOCUMENT-IDENTIFIER: US 6040496 A

TITLE: Use of translationally altered RNA to confer resistance to maize dwarf mosaic virus and other monocotyledonous plant viruses

Application Filing Date (1):19950630Brief Summary Text (16):

Another aspect of the invention is based upon structural and organizational information that has been elucidated for the genome of strain B of Maize Dwarf Mosaic Virus (MDMV-B) upstream of the coat protein gene. Included in this aspect of the invention are chimeric genes designed to express coding sequences for MDMV-B proteins including the coat protein (nucleotides 7308-8291 of SEQ ID No. 1), the RNA dependent RNA polymerase (RdRp) (nucleotides 5745-7307 of SEQ ID No. 1), proteinase (nucleotides 4452-5744 of SEQ ID No. 1), a 6K protein (nucleotides 4293-4451 of SEQ ID No. 1), cylindrical inclusion protein (CIP) (nucleotides 2376-4292 of SEQ ID No. 1), P3 proteinase (nucleotides 1134-2375 of SEQ ID No. 1), and a portion of the helper component-P2 proteinase (HC-Pro) (nucleotides 3-1133 of SEQ ID No. 1). Methods for protecting plants from MDMV infection by transforming them with these chimeric genes are included within this aspect of the invention along with the resulting transgenic plants and their progeny.

Detailed Description Text (70):

Clones have been isolated and sequenced representing 8530 nucleotides of the MDMV-B genome. We have identified a single large open reading frame as would be expected of a virus belonging to the potyvirus family. We have identified regions of the polyprotein which would encode the coat protein (nucleotides 7308-8291 of SEQ ID No. 1), the putative RNA dependent RNA polymerase (RdRp) termed NIb (nucleotides 5745-7307 of SEQ ID No. 1), the NIa proteinase (nucleotides 4452-5744 of SEQ ID No. 1), the 6K protein (nucleotides 4293-4451 of SEQ ID No. 1), cylindrical inclusion protein (CIP) containing the helicase (nucleotides 2376-4292 of SEQ ID No. 1), P3 proteinase (nucleotides 1134-2375 of SEQ ID No. 1), and a portion of the helper component-P2 proteinase (HC-Pro) (nucleotides 3-1133 of SEQ ID No. 1). Identification was based on the location of putative cleavage sites and conserved motifs. The MDMV-B sequence of the CP region from our isolate was 99% identical to the previously sequenced MDMV-B CP and 78% identical to the MDMV-A CP. Further comparisons could not be made due to the lack of additional sequence to other MDMV strains. The sequence of MDMV-B was then compared to other potyviruses and was found to exhibit approximately 60% nucleotide sequence identity to other potyviruses. The level of identity varied little when sequences encoding the different proteins were used for the comparison.

Current US Cross Reference Classification (1):435/468[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

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L6: Entry 1 of 1

File: USPT

Mar 21, 2000

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Current US Cross Reference Classification (1):

435/468

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☐ 1. Document ID: US 20010023067 A1

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L7: Entry 1 of 2

File: PGPB

Sep 20, 2001

PGPUB-DOCUMENT-NUMBER: 20010023067

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010023067 A1

TITLE: Nucleic acid molecules encoding polypeptides having the enzymatic activity of an RNA-directed RNA polymerase (RdRP)

PUBLICATION-DATE: September 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wassenegger, Michael	Munich		DE
Riedel, Leonhard	Munich		DE
Schiebel, Winfried	Gauting		DE
Sanger, Heinz L.	Berg		DE

US-CL-CURRENT: [435/69.1](#); [435/199](#), [435/320.1](#), [435/325](#), [800/18](#), [800/288](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn De
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☐ 2. Document ID: US 6218142 B1

L7: Entry 2 of 2

File: USPT

Apr 17, 2001

US-PAT-NO: 6218142

DOCUMENT-IDENTIFIER: US 6218142 B1

TITLE: Nucleic acid molecules encoding polypeptides having the enzymatic activity of an RNA-directed RNA polymerase (RDRP)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIMC	Drawn De
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Terms

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wassenegger.in. and michael.in.	2
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☐ 1. Document ID: US 5149654 A

Using default format because multiple data bases are involved.

L14: Entry 1 of 2

File: USPT

Sep 22, 1992

US-PAT-NO: 5149654

DOCUMENT-IDENTIFIER: US 5149654 A

**** See image for Certificate of Correction ****

TITLE: Incubation device for microtiter plates

DATE-ISSUED: September 22, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gross; Jurgen	Hofheim am Taunus			DE
Pufahl; Holger	Frankfurt am Main			DE
<u>Sanger; Dieter</u>	Niedernhausen			DE
Schaller; Karl-Heinz	Schoneck			DE
Wilmes; Hugo	Eschborn			DE

US-CL-CURRENT: 435/303.1; 236/3, 237/14, 237/3, 414/280, 414/282, 414/616, 435/809

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNIC	Draw De
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☐ 2. Document ID: US 4756834 A

L14: Entry 2 of 2

File: USPT

Jul 12, 1988

US-PAT-NO: 4756834

DOCUMENT-IDENTIFIER: US 4756834 A

TITLE: Phase supports for the partition chromatography of macromolecules, a process for their preparation and their use

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNIC	Draw De
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